

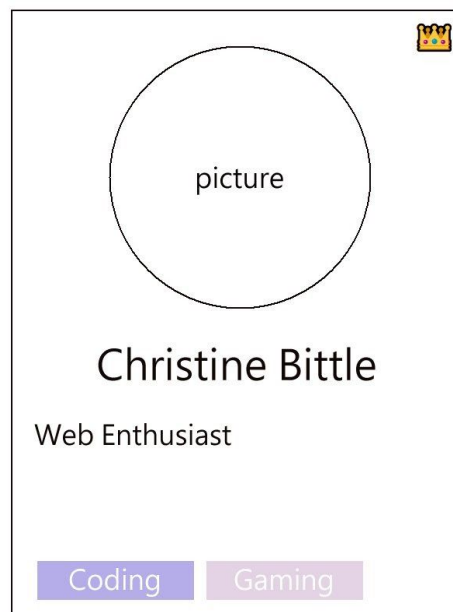
Coding Interview Part 1

Due: June 5, 2020

Problem Description

You are to create a “Team Members” page for a website. The initial wireframe is flexible, however, the desktop version for each employee should look similar to the following layout.

Use pure JavaScript, HTML, and CSS to complete the task. No helper functions, libraries, or frameworks are allowed.



Notes

- The top right “Crown” icon should only be displayed if the employee is **featured**
- Each “role” is given a corresponding **color**
- **Images** for employees can be found in <http://sandbox.bittsdevelopment.com/code1/employeepics/{id}.jpg>

Employee Data

A rudimentary endpoint is coded for you to access employee data. All return types are JSON.

Type	Example	Description
GET	http://sandbox.bittsdevelopment.com/code1/fetchemployees.php	Returns all employees.
GET	http://sandbox.bittsdevelopment.com/code1/fetchroles.php	Returns all roles.
GET	http://sandbox.bittsdevelopment.com/code1/fetchemployees.php?roles=1	Returns all employees who are associated with roleid=1
GET	http://sandbox.bittsdevelopment.com/code1/fetchemployees.php?roles=1,3,5	Returns all employees who are associated with roleid=1 or roleid=3 or roleid=5.

Refer to *Coding_Interview_Handout.pdf* for a description of all 5 topics for each of Quantitative, Qualitative, and Semantic.

	Level 1 (0-25%)	Level 2 (25-50%)	Level 3 (50-75%)	Level 4 (75-100%)
Quantitative Completeness Readability Robustness Algorithm Design Compatibility	0 - 2 Topics addressed. Does not go in depth.	2-3 Topics addressed. Could be explored further.	3-4 Topics addressed. Satisfactory level of consideration for each.	All topics addressed. Strong critical thinking skills demonstrated for each topic.
Qualitative Code Factoring Scalability Documentation Test Cases Debugging	0 - 2 Topics addressed. Does not go in depth.	2-3 Topics addressed. Could be explored further.	3-4 Topics addressed. Satisfactory level of consideration for each topic.	All topics addressed. Strong critical thinking skills demonstrated for each topic.
Semantic UI/UX considerations Data Structure Maintainability Directive Scheduling	0 - 2 Topics addressed. Does not go in depth.	2-3 Topics addressed. Could be explored further.	3-4 Topics addressed. Satisfactory level of consideration for each topic.	All topics addressed. Strong critical thinking skills demonstrated for each topic.